



A Horizontal House in the Landscape

Project Overview

Situated on a sloping site in Agios Tychonas, Cyprus, the residence is conceived as a contemporary Mediterranean house that establishes a strong dialogue with the surrounding landscape. A restrained architectural language of horizontal planes, exposed concrete, timber, and glass creates a composition that balances openness with privacy, while framing uninterrupted views towards the horizon. The project explores how architecture can become an extension of the landscape rather than an object placed upon it.



Project Overview

The architectural composition is defined by a reinforced concrete frame that extends across the ground floor, embracing both enclosed living spaces and generous semi-outdoor areas within a single continuous gesture. This horizontal base establishes a strong relationship with the site's topography, blurring the distinction between architecture and landscape. Resting lightly above it, the white upper volume accommodates the private functions, while recessed openings provide shade, privacy, and depth. The composition achieves a careful balance between solidity and lightness, reinforcing the house's horizontal character and its connection to the surrounding landscape.



Designing with Climate

Beyond its architectural expression, the residence represents the application of research-driven design within everyday residential practice. From the earliest design stages, passive and active environmental principles were integrated into the architectural concept, allowing environmental performance to shape form, orientation, and spatial organization rather than being treated as a technical addition.

The project demonstrates how academic knowledge can be translated into built architecture through carefully considered design decisions, where sustainability becomes an intrinsic architectural quality rather than a visible technological feature.





Interior Design & Materiality

The interior follows the same architectural discipline expressed by the exterior. Exposed concrete, natural timber, white surfaces, and large openings create calm and timeless living spaces where material authenticity defines the atmosphere. Rather than relying on decorative elements, the interior celebrates proportion, natural light, and the continuity between architecture, landscape, and everyday domestic life.





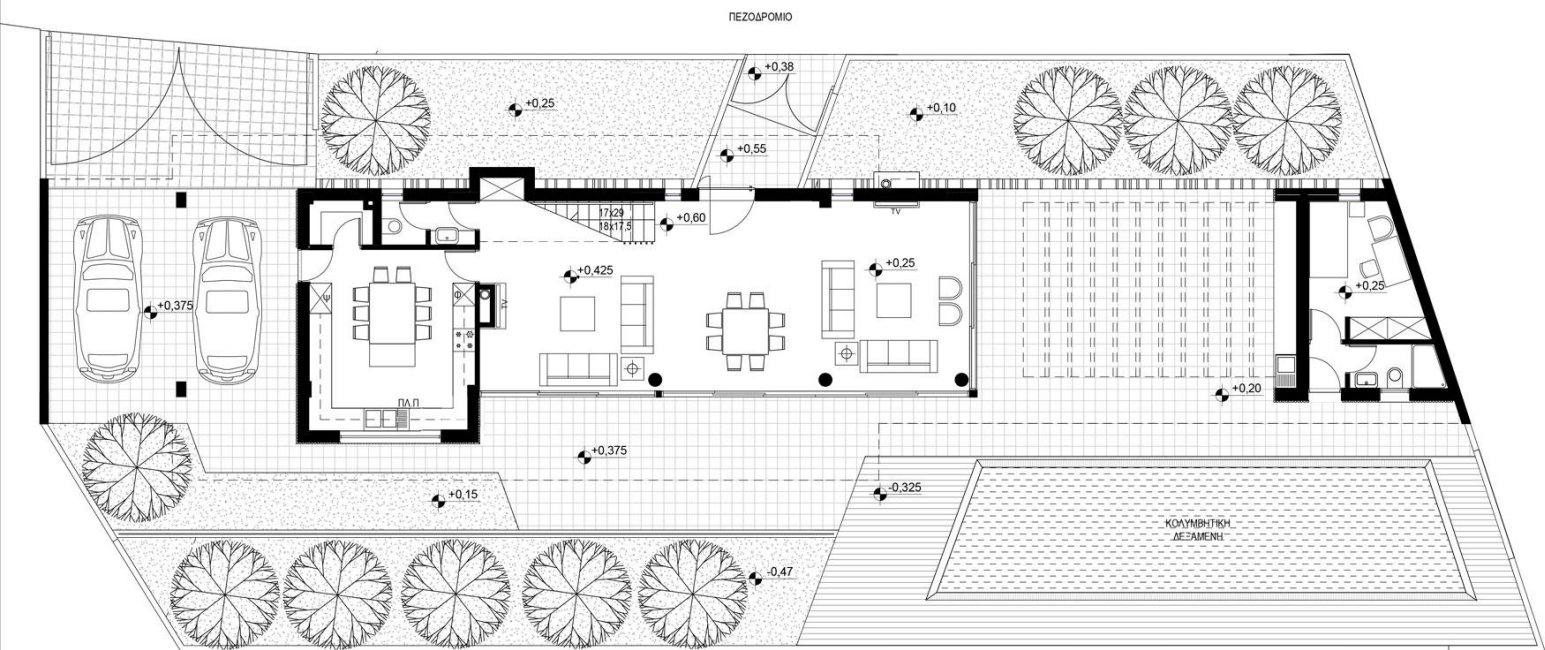




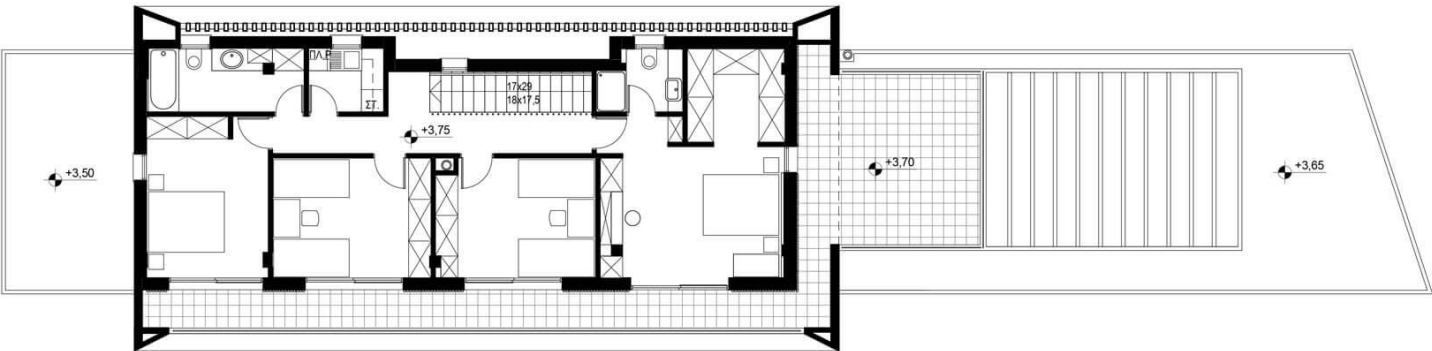


Floorplans

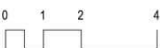
The ground floor and the 1st floor



Κάτοψη Ισογείου



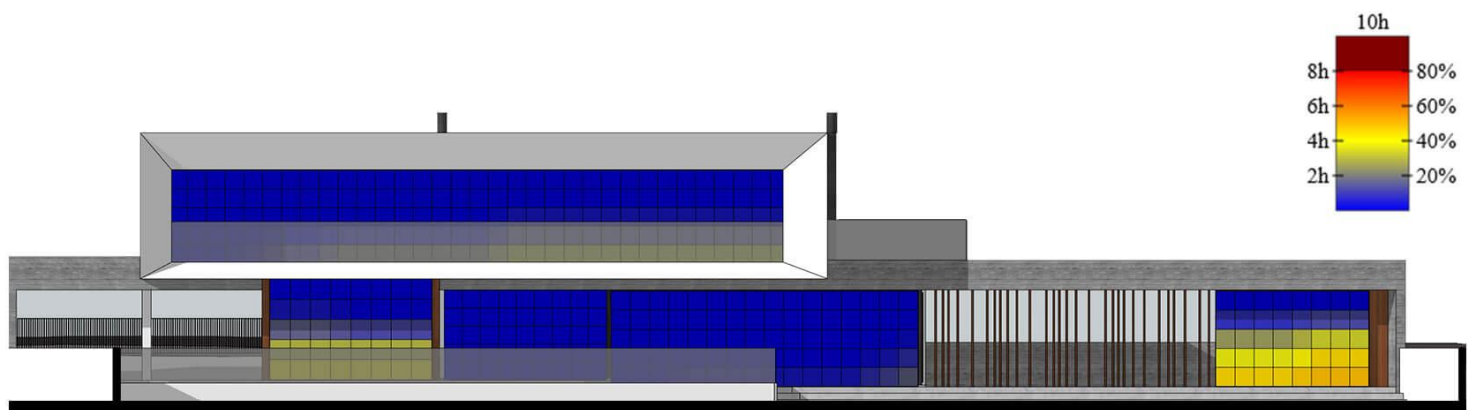
Κάτοψη Ορόφου



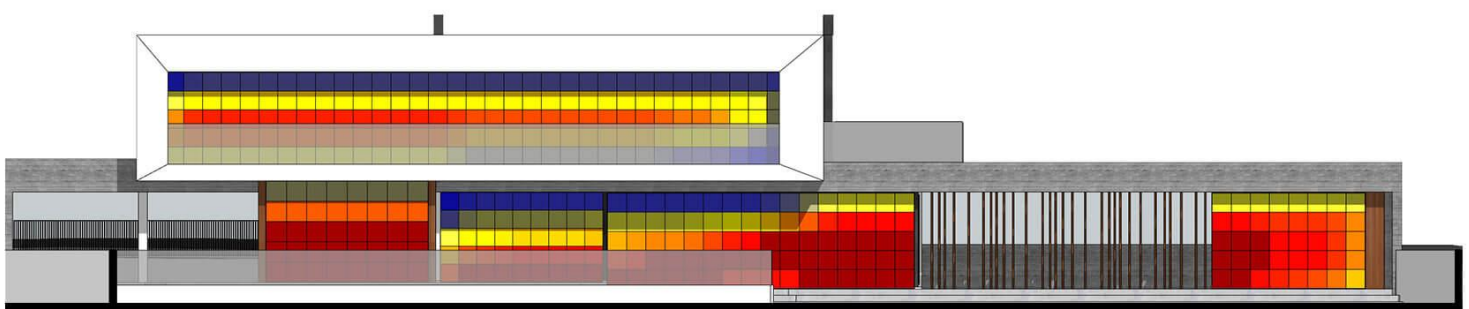
Architectural Bioclimatic Strategy

Environmental performance is embedded within the architectural concept from the outset. The elongated east–west orientation, generous roof overhangs, recessed openings, and vertical timber screens work together to provide effective summer shading while maximizing winter solar gains. Large south-facing openings promote cross-ventilation and establish a continuous relationship between the interior, the terraces, and the surrounding landscape.

The exposed concrete structure contributes thermal mass, stabilizing indoor temperatures throughout the year, while planting and water elements improve the local microclimate. Together, these passive strategies create comfortable living conditions with minimal energy demand.



Θερινό ηλιοστάσιο / Summer solstice



Χειμερινό ηλιοστάσιο / Winter solstice

Research, Performance & Innovation

This residence illustrates how research-informed design can be translated into built form through simple yet carefully considered architectural gestures. Passive and active environmental strategies—including cross-ventilation, solar protection, optimized winter insolation, and the use of low-impact materials—were integrated from the earliest design stages into a coherent architectural concept. The result is a residence that successfully combines contemporary architectural expression with measurable environmental performance, leading to its recognition as both a Low Embodied Carbon and an Energy Neutral project.

